



ODPAT Polyclonal Antibody

Catalog No	YP-Ab-06001
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	PDHA2 PDHAL
Immunogen	Synthesized peptide derived from human protein . at AA range: 310-390
Specificity	ODPAT Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PDHA2;EC:1.2.4.1;PDHA 2;PDHAL;PDHE1 A type II;ODPAT;PDHA2 PDHAL; Pyruvate dehydrogenase E1 component subunit alpha;testis-specific form; mitochondrial (EC 1.2.4.1) (PDHE1-A type II)
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Testis. Expressed in postmeiotic spermatogenic cells.
Function	catalytic activity:Pyruvate + [dihydrolipoyllysine-residue acetyltransferase] lipoyllysine = [dihydrolipoyllysine-residue acetyltransferase] S-acetyldihydrolipoyllysine + CO(2).,cofactor:Thiamine pyrophosphate.,enzyme regulation:E1 activity is regulated by phosphorylation (inactivation) and dephosphorylation (activation) of the alpha subunit.,function:The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).,subunit:Tetramer of 2 alpha and 2 beta subunits.,tissue specificity:Testis. Expressed in postmeiotic spermatogenic cells.,



Background

catalytic activity: Pyruvate + [dihydrolipoyllysine-residue acetyltransferase]
lipoyllysine = [dihydrolipoyllysine-residue acetyltransferase] S-
acetyldihydrolipoyllysine + CO(2)., cofactor: Thiamine pyrophosphate., enzyme
regulation: E1 activity is regulated by phosphorylation (inactivation) and
dephosphorylation (activation) of the alpha subunit., function: The pyruvate
dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-
CoA and CO(2). It contains multiple copies of three enzymatic components:
pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and
lipoamide dehydrogenase (E3)., subunit: Tetramer of 2 alpha and 2 beta
subunits., tissue specificity: Testis. Expressed in postmeiotic spermatogenic cells.,

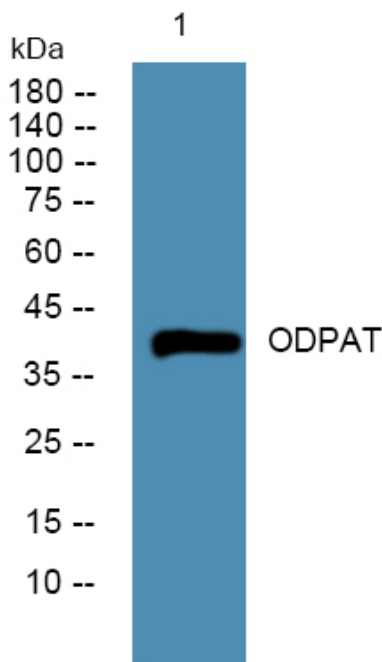
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells,
primary antibody was diluted at 1:1000, 4° over night